

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/000691

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ B22C11/10, 15/02, 15/06, 15/24, 15/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ B22C11/00-25/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	JP 59-73148 A (Toyoda Automatic Loom Works, Ltd.), 25 April, 1984 (25.04.84), Examples; Figs. 1, 2 (Family: none)	1-13 <u>2</u> 14-31
X Y A	JP 9-52151 A (Sinto Kogyo Ltd.), 25 February, 1997 (25.02.97), Par. Nos. [0006] to [0009]; Fig. 1 (Family: none)	1-13 <u>2</u> 14-31
X Y A	JP 4-41047 A (Tohisa Kabushiki Kaisha), 12 February, 1992 (12.02.92), Page 3, upper left column, line 1 to page 4, upper left column, line 12 (Family: none)	1, 3-13 <u>2</u> 14-31

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search
19 April, 2005 (19.04.05)Date of mailing of the international search report
10 May, 2005 (10.05.05)Name and mailing address of the ISA/
Japanese Patent Office

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